A.N.A.R.T.S. News Bulletin 1415 for 24th of September 2006

Views expressed in this news bulletin are not necessarily

those of the Broadcast Officer, the Relay Officers, or of

the Society.

Items in this broadcast include

1. Silent Key

2. Cols column

3. IPS REPORT

4. VK2SG RTTY DX report

5. OPDX News

6. Anarts Information

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SK JIM SWAN, ex-VK2BQS

Jim Swan ex-VK2BQS became an SK on 18th September 2006 at age 84, after a

long illness resulting from several strokes. He was cremated on 21st Sep at

Beresfield. Jim is survived by his wife Helen and family.

Jim was born 1922 in Parramatta NSW, shortly after, moving to Girraween near

Parramatta where he lived for 73 years, ending his days at Karuah, north of

Newcastle.

Jim joined the Royal Australian Air Force the day he turned 18 and shortly

afterwards he had commenced training as a pilot. He remained in the service

until the last day of the wartime Airforce. The RAAF experience ranged from

Coastal Search and Surveillance, through Test and Ferry to Operational Recce

and Bombing Strikes in the East Indies area.

By late 1946 Jim had joined Trans Australia Airlines as a Pilot (First Officer)

becoming a Captain (Training Captain) by 1954. At that time he transferred to

East West Airlines to assist them in their expansion program. He retired in

1975 as Chief Pilot, after being responsible for the pilot standards on the

various types operated by the company. He had over 21,000 hours and had flown

18 types of aircraft.

When Jim retired, he found still missed a component of his flying days, and

that was the continuous use of radio communications where he had a Flight

Radiotelephone Operators Licence with a 20 wpm Morse endorsement.

After a short stint on CB radio, Jim was first licensed in December 1977 as

VK2NNG, and upgraded in June 1978 to the Full Call VK2BQS.

Jim’s favourite mode was radioteletype which he commenced using in 1981.

He became a member of the Australian National Amateur Teleprinter Society,

or ANARTS. He later moved into AMTOR, using that mode to transfer ANARTS

broadcast material to relay officers, and also acted as a relay station on

20 metres. This was very rewarding for Jim, as he developed a large

following and had call-backs from every state and some DX stations regularly.

Jim also assisted Col VK2CTD with the running of the ANARTS RTTY Contest where

he could, and so helped keep ANARTS thriving.

For a much fuller report on Jim’s life, go to:

http colon//users.bigpond.net.au/ctdavies then click on Jim Swan VK2BQS.

You can also view some of the aircraft Jim flew and also one of his

experiences on coastal surveillance, where he has to crash land his aircraft.

That story is called Pink Cakes and Brandy.

Col's Column

Propagation of Radio Waves.

Ionospheric Irregularities.

Sunspots and the Sunspot cycle.

Sunspots appear on the surface of the sun as dark spots which are carried

with it in its rotation period of 27 days.

Although the exact nature of sunspots is unknown, they appear to be vortices

in the gases which make up the visible surface of the sun. In times of maximum

sunspots, the groups are visible to the naked eye.

Sunspots are associated with strong electromagnetic fields which produce very

high enery radiation.

The intensity of sunspot activity is measured by the 'Sunspot number' which

which varies from day to day and from year to year.

During periods of mimimum sunspot activity, the sunspot number is very small

and may even be zero when the surface of the sun is devoid of spots.

During periods of maximum sunspot activity, the sunspot number may rise as

high as 140.

The average time between minimum sunspot number is 11 years and this is

referred to as the 11 year sunspot cycle.

An increase in the sunspot number results in increased ion density in the

ionospheric layers and causes the critical frequencies of the E, F1 and F2

layers to rise, this rise being most significant in the F2 layer.

This means that at times of sunspot maxima, higher frequencies may be used

for long distance communications.

Increased ion density in the D region results in
increased absorption in this

region and this fact also requires higher frequencies to
be used.

The overall effect of increased sunspot activity is an
improvement in

conditions for all sky wave propagation.

Next week we look at some of the reasons that cause
fading.

PLEASE NOTE THAT NEXT WEEK WILL BE MY LAST BROADCAST FOR
ANARTS FOR SOME

TIME, POSSIBLY THE VERY LAST IF WE DECIDE TO STAY IN THE
UK.

73's Col VK2CTD.

IPS Weekly Solar and Geophysical Report 15/21st Sep

SUMMARY

Date 15 16
17 18 19
20 21

10cm flux 80 79
78 74 73
71 71

AFr index 0 1
9 16 8
3 5 est

Aaus index 1 2
9 15 11
1 2 est

T index 25 32
34 22 4
2 4

Solar flare activity was low on 18th; and very low on
other days.

Geomagnetic activity observed for the Australian region
was quiet on 15/16th

20/21st quiet to unsettled with isolated active periods
on 17th and quiet to

active on 18/19th.

Southern Australian ionospheric F2 critical frequencies
were near predicted

to 25 percent enhanced on 15/6th near predicted to 40
percent on 17th near

predicted to 15 percent enhanced on 18th depressed 15
percent to near

predicted on 19th mostly near predicted to 30 percent
depressed on 20/21st.

Forecast for 22/28th Sep

Solar activity should be very low.

Geomagnetic activity should be active on 22nd later in
the day with active

to minor storm periods on 23rd and quiet to unsettled on
other days.

Frequencies should see depressions of 20 to 40 percent on
23/24th with

frequencies near predicted monthly values on other days.

courtesy of the IPS Radio and Space Services

summary by Pat VK2JPA ANARTS Broadcast Officer

VK2SG RTTY DX NOTES
WEEKENDING 21 SEP

Our thanks this week go only to AA5AU DJ3IW GU0SUP UT5RP
K3GP OH2AQ DXSummit.

Bandpass:

Friday 15

0336-10145 JT800K

0444--7038 OM5TX

0553-14082 4Z5BF

0732-21081 TU5JM

0757-14080 R860T

0934-14087 RU9MZ

1144-14082 UN1EE

1231-14082 UR7ITU

1239-14084 TI8CBT

1305-14087 UX2KA/P

1324-14090 EX2M

1328-14095 BD3APX

1418-18102 V5/DF3GY

1432-14086 R860T

1446-14087 TA1EE

1446-14094 BD3APX

1533-14079 YB0JIV

1534-10146 JT800OK/3

1535-14087 OX3WS

1547-10140 JT1CO

1618-14085 EX8AB

1630-14083 TF3IGN

1631-14080 TF3PPN

1828-14087 CN8IG

1847-14084 ZC4JP

1857-14086 ZP8AE

1944-14084 CN8SG

1951-14086 IM0MBP

2024--7038 V51LK

2027-10142 TA4/KH0DQ

2041--7038 TF3IGN

2055--3588 V51LK

2122-14086 CU2AF

2133--7040 TF3GC

2145-14084 XE3RBA

2344-14086 HK4QMT

Saturday 16

0113--7037 OH0Z

0119--7037 PZ5RA

0216--7037 NP3D

0320--7041 CN8NK

0402--7041 KP4JRS

0406--3578 3XM6JR

0428-14084 XU7ABN

0430-14089 JT800OK/3

0617-14083 EK6TA

0744-18103 ER3ZZ

0759-14080 YL2GP

0817-14081 UT7ITU

0859-18103 VR2XLN

1010-14086 CU2AF

1058-21087 3B9FR

1137-18106 EX8AB

1206-14090 E21YDP

1214-14087 BD3APX

1222-14085 BG4SGP

1235-18100 YB0JIV

1239-18102 VP8DIZ

1322-18102 V5/DF3GY

1327-14086 JT1CO

1350-18102 R860T

1523-14084 OX3DB

1553-14080 EU7SA

1609-14086 9M2MT

1630-14093 EA9IB

1633-14084 TF3GC

1638-14087 6W7RV

1640-14090 HZ1IK

1649-14084 V5/DF3GY

1717-14087 RK2FWA

1740--7046 RK2FWA

1746-14087 ES2DY

1749-14085 YS1VO

1829-14084 ER3MM

1837-14085 TR8GA

1911-14082 KP4FKN

2059-14078 EC8AUZ

2138-14085 HK4QHD

2350-14080 4X1UN

Sunday 17

0409-14082 KH6ZM

0450-14083 FR5AB

0720-18095 JT800OK

0730-18103 JT1CO

0733-18103 R860T

0802-18105 EX8AB

0923-21082 EA9IB

0934-14083 SV9/SV1AVD

0943-14086 4L4CR

0949-21091 FR5AB

1019-14084 JT1CO

1142-18102 CN8IG

1222-14086 CU2AF

1233-14084 4L4CR

1233-18102 TF3PPN

1331-14095 4U1UN

1345-14091 4L1DA

1450-18101 PZ5RA

1451-14082 TF3GC

1510-21084 JY4NE

1516-18106 TR8CA

1518-18101 V5/DF3GY

1721-14085 KP4ED

2119-10143 6W1SE

2157-10142 TK5IH

Monday 18

0355--7038 KH6ZM

0621-14080 IH9/IK2FIL

0628-14083 R860T

1012-21078 TU5JM

1112-21085 VQ9LA

1113-21088 3XM6JR

1200-14084 HS0ZBS

1221-21083 6K5AQY

1251-14086 BD7KLO

1303-14081 JY4NE

1324-14083 TK/DF6ZY

1413-14081 KP4FKN

1420--7038 9Z4FZ

1420-14085 ES0IC

1559-14087 E20KIR

1638-14090 HZ1IK

1654-10143 ER3ZZ

1742-21081 TU5JM

1829-14083 SV9/SV1AVD

1909-14085 IH9/IK2FIL

1955--7038 SV9/SV1AVD

2014-10143 IH9/IK2FIL

2123-14083 KP4ED

2125-14079 6Y5WJ

2203--7038 CT3EN

2213-14083 FS5HL

2234--7040 IH9/IK2FIL

Tuesday 19

0102--7037 3XM6JR

0206--3583 3XM6JR

0520-14085 JT800OK

0945-14083 HS0ZBS

0948-14081 CU2AF

1112-14088 BG1DQD

1153-14085 R860T

1255-14088 TK/DF6ZY

1325-14089 EX2M

1347-14090 IH9/IK2FIL

1452-14089 JY4NE

1526-14089 9M2MT

1549-14083 IM0MBP

1606-21081 3XM6JR

1606-14083 EW1AK

1810-14091 TA3CIL

1949-14085 SV9/DL3HQN

2101-14084 FM5AA

2109-14090 WP3C

2130-14086 HK4QMH

2137--7040 JT800OK

2144-14085 CU2AF

2152-14082 HC5T

2153--7041 TF3GC

2156-14081 ZD8I

2224-21083 WP3C

2241--7044 DT8A

2354--7043 CX4SS

Wednesday 20

0622-14085 YU6ZZ

0701-14082 T94KC

0748-14081 JY4NE

1041-14082 XU7ABN

1048-14086 R860T

1212-21081 TU5JM

1224-14085 CU2AF

1248-14087 E20KIR

1255-14090 EX2M

1312-14080 ES1GE

1314-14081 ER4DX

1334-14083 TF3GC

1342--7037 R860T

1343-14087 JT1CO

1344-14079 JY4NE

1344-14087 V85SS

1453-14086 FM5AA

1457-14087 BG1LQH

1807-14084 XU7ABN

1815-14083 TF3PPN

2030-10143 7X0RY

2033-14088 HK4QHD

2034--3597 R860T

2042--7037 SV9/DL3HQN

2052--7037 TF3GC

2135-14086 CU2AF

2222--7042 WP3C

Thursday 21

0553-21100 JT800OK

0848-14084 ZB2GG

0905-14086 R860T

0910-18103 R860T

1033-14088 JT1CO

1147-18101 VQ9LA

1311-14081 E20KIR

1342-14090 R1FJT

1348-14085 TF3GC

1352-14088 WP3C

1447-14090 TK/DF6ZY

1456-14086 HS0ZBS

1523-14089 CO2IZ

1526-14082 IH9/IK2FIL

1624--7033 JT1CO

1626-18101 A25/DF3GY

1644-14082 YT6A

1804-21084 WP3C

1903-14081 ER3MM

1911-14087 CU2AF

1917-14083 TF3PPN

1931--7078 TK/DF6ZY

Note of interest

DOMINICAN REP. HI8. Antonio IW2OAZ will be active Oct 2/28 using the call

HI8/IW2AOZ on 20 and 17M RTTY and SSB. On 26/27 will be on from Catalina

Island using HI8 prefix. Qsl via bureau.

MOZAMBIQUE, C9. Look for CT1BWW active Oct 3/7 from Maputo from 160-10M

on CW SSB RTTY SSTV PSK31 and FM.

You can also subscribe to the digital-dx reflector - send an e-mail message

to majordomo at mla.nifty.ne.jp as follows

Subject: (blank) Message Body: subscribe digital-dx

For next week's bulletin send your bandpass and notes of interest to

Goetz DJ3IW

Gl de Luciano I5FLN

The Ohio/Penn DX Bulletin No. 776 - excerpts

4U1UN, UNITED NATIONS HQ

As this was being typed Sunday morning 17th 4U1UN was active on 20M RTTY.

According to 'The Daily DX' the operators are LA5IIA JR3EDE and JJ2RCJ.

Activity is to be on CW SSB and RTTY on the HF bands. Length of their

activities is unknown.

9A, CROATIA

Zrinko (Zik) VE3ZIK will be once again active from here between Sep 15/

Oct 1st with callsign 9A/VE3ZIK. He will use all HF bands CW SSB and

possibly PSK31. Also he will try to be at least one day active from some

of IOTA Islands in the EU-170 group (in that case he will use callsign

9A/VE3ZIK/p). QSL via DL3PS (dont send QSL via VE3 bureau because he will

receive those QSL cards with very big delay). No e-qsl no LotW. Also you

can request your QSL card at his E-mail address at zik at tiscali.de

CX, URUGUAY

Pedro CX5BW informs OPDX that he and a couple of friends will activate the

special callsign CX0TTY from his station during the CQWW DX RTTY Contest

Sep 23-2. QSL Manager is CX5BW (QRZ.com).

EF8, CANARY ISLANDS

Edu EA8AUW/EC8AUA is expected to be active as EF8A in the CQWW DX RTTY Contest

as a Single-Op/Single-Band (20M)/High-Power entry. QSL via EA8AUW, by the

Bureau or direct.

EY, TAJIKISTAN

Nodir EY8MM will be active in the CQWW DX RTTY Contest as a Single-Op/

Single-Band (20m)/High-Power entry. QSL via K1BV.

IOTA NEWS

AS-158. Operartors Fan/BA1RB ChenXi/BD1WC and BD1NNI will lead a team to

Guang Lu Island and be active as BY1TX/2 Oct 1-5. Activity will be on

80-10M. They will focus on the low bands especially 80m and 30m. Its

expected 50PC CW, 35PC SSB and 15PC RTTY on the operating

mode.

QSL via EA7FTR.

J7, DOMINICA

Just a reminder that operators Karl/N1DL and George/W4LFK will be operating

from the Commonwealth of Dominica Sep 21-27. They will operate on all modes

with their callsigns J79DL and J79MD but during the RTTY Contest they will

use the special callsign J7R from IOTA NA-101. QSL to N1DL Karl Geng 285

Grande Way 1803 Naples FL 34110 USA.

T8, PALAU

Operators Toshikazu/JE1SYN and Toshio/JP1IOF will be active as T88YN and

T88AS respectively from Koror (OC-009) Sep 21-24. They plan to have two

stations on 80-6M CW SSB RTTY and FM. QSL via their home callsigns.

ZV100, BRAZIL (Special Event)

Look for special event station ZV100SD to be active Oct 1-30. Activity is to

celebrate the 100th anniversary of the first flight in an airplane by the

Brazilian Alberto Santos Dumont in Bagatelle France. Activity will be on all

bands. QSL via PS7AHR direct or by the Bureau. Alberto was a gifted engineer

who made valuable contributions to aviation. The airplane (designated 14 Bis)

he flew was considered to be the first independent flight self-propelled to

take off, fly, and land without the use of catapults, high winds, launch rails,

or other external assistance. This flight was the first public and officially

observed from Aero-Club de France and took place on Oct 26 1906. For some

more interesting information please visit the following Web pages at

www.aerospaceweb.org/question/history/q0189.shtml

The Society can be contacted in the following ways

To Pat VK2JPA via patleeper at optusnet.com.au or Col

VK2CTD via ctdavies at bigpond.net.au or

you can drop a line to PO Box 93 Toongabbie NSW 2146.

73s from Pat VK2JPA broadcast Officer

NNNN